

WE CLAIM:

1. A composition comprising a stainblocker, silsesquioxane, and surfactant; wherein said composition is an aqueous composition having a pH of at least 6 and wherein

5 the stainblocker is selected from

- (a) a polymer derived from at least one or more alpha- and/or beta-substituted acrylic acid monomers of the formula $\text{HR}^1 \text{C}=\text{C}(\text{R})\text{COOX}$, where R^1 is hydrogen, R is an alkyl group having 1 to 4 carbon atoms, phenyl, phenol, sulfonated phenol, naphthol, chlorine, or fluorine, and X is hydrogen, sodium, potassium or ammonium;
- (b) a sulfonated aromatic (co)polymer; and
- (c) hydrolyzed copolymers of maleic anhydride and at least one ethylenically unsaturated monomer.

15 2. The composition of claim 1, wherein the alpha- and/or beta-substituted acrylic acid monomers are polymethacrylic acid, copolymers of methacrylic acid and one or more other monomers that are copolymerizable with methacrylic acid, and blends of polymethacrylic acid and methacrylic acid copolymer.

20 3. The composition of claim 1, wherein the silsesquioxane comprises compounds of the formula R-Si(OR')_3 wherein R is a substituted or unsubstituted hydrocarbon radical having 1 to 7 carbon atoms, and R' is an alkyl radical with 1 to 4 carbon atoms.

25 4. The composition of claim 3, wherein the silsesquioxane comprises compounds of the formula R-Si(OR')_3 wherein R is an unsubstituted hydrocarbon radical having 1 to 7 carbon atoms, and R' is an alkyl radical with 1 to 4 carbon atoms.

5. The composition of claim 3, wherein the silsesquioxane comprises compounds of the formula R-Si(OR')_3 wherein R and R' are $-\text{CH}_3$.

30

6. The composition of claim 1, wherein the silsesquioxane comprises cocondensates of R-Si(OR')₃ and silanes selected from Si(OR')₄ and R₂-Si(OR')₂, or combinations thereof,

wherein R is an unsubstituted hydrocarbon radical having 1 to 7 carbon atoms, and R' is
5 an alkyl radical with 1 to 4 carbon atoms.

7. The composition of claim 1, wherein the pH is from 6 to 8.

8. The composition of claim 1, wherein

10 said stainblocker comprises a polymer derived from polymethacrylic acid, copolymers of methacrylic acid and one or more other monomers that are copolymerizable with methacrylic acid, and blends of polymethacrylic acid and methacrylic acid copolymer;

said silsesquioxane comprises compounds of the formula R-Si(OR')₃ wherein R is
15 a substituted or unsubstituted hydrocarbon radical having 1 to 7 carbon atoms, and R' is an alkyl radical with 1 to 4 carbon atoms;

20 said surfactant is sodium xylene sulfonate, sodium lauryl sulfate, sodium myristyl sulfate, sodium lauryl ether (2) sulfate, sodium decyl sulfate, ammonium myristyl ether sulfate, sodium nonylphenol polyglycol ether (15) sulfate, sodium C₁₆-C₁₈ α -olefin sulfonate, sodium dodecylbenzenesulfonate, sodium naphthyl sulfonate, sodium dihexyl sulfosuccinate, sodium laurate, sodium stearate, sodium ether (5) stearate, potassium ricinoleate, sodium myristoyl sarcosine, sodium N-methyl-N-oleyl taurate, nonylphenol polyethylene glycol ether or combinations thereof; and
25 said pH is from 6 to 8.

9. The composition of claim 1, wherein the composition comprises:

- (a) 1 to 4 weight percent of a stainblocker;
- (b) 1 to 4 weight percent silsesquioxane; and
- 30 (c) 1 to 4 weight percent surfactant.

10. The composition of claim 1 further comprising a sequestering agent, salt, or combination thereof.

11. A method of cleaning a fibrous substrate while imparting soil and stain resistance properties, comprising the steps of:

- 5 (a) water extracting the substrate with the composition of claim 1; and
- (b) vacuum removal of the composition from the substrate.

12. The method of claim 11, wherein the stainblocker comprises a polymer derived from at least one or more alpha- and/or beta-substituted acrylic acid monomers.

10 13. The method of claim 12, wherein the alpha- and/or beta-substituted acrylic acid monomers are polymethacrylic acid, copolymers of methacrylic acid and one or more other monomers that are copolymerizable with methacrylic acid, and blends of polymethacrylic acid and methacrylic acid copolymer.

15 14. The method of claim 11, wherein the silsesquioxane comprises compounds of the formula R-Si(OR')₃ wherein R is a substituted or unsubstituted hydrocarbon radical having 1 to 7 carbon atoms, and R' is an alkyl radical with 1 to 4 carbon atoms.

20 15. The method of claim 11, wherein the silsesquioxane comprises cocondensates of R-Si(OR')₃ and silanes selected from Si(OR')₄ and R₂-Si(OR')₂, or combinations thereof, wherein R is an unsubstituted hydrocarbon radical having 1 to 7 carbon atoms, and R' is an alkyl radical with 1 to 4 carbon atoms.

25 16. The method of claim 11, wherein the composition has a pH within the range of 6 to 8.

30 17. The method of claim 11, wherein
said stainblocker comprises a polymer derived from polymethacrylic acid,
copolymers of methacrylic acid and one or more other monomers that are

copolymerizable with methacrylic acid, and blends of polymethacrylic acid and methacrylic acid copolymer;

said silsesquioxane comprises compounds of the formula R-Si(OR')₃ wherein R is
5 a substituted or unsubstituted hydrocarbon radical having 1 to 7 carbon atoms, and R' is an alkyl radical with 1 to 4 carbon atoms; and

said surfactant is sodium xylene sulfonate, sodium lauryl sulfate, sodium myristyl sulfate, sodium lauryl ether sulfate, sodium decyl sulfate, ammonium myristyl ether sulfate, sodium nonylphenol polyglycol ether sulfate, sodium C₁₆-C₁₈ α-olefin sulfonate, sodium dodecylbenzenesulfonate, sodium naphthyl sulfonate, sodium dihexyl sulfosuccinate, sodium laurate, sodium stearate, sodium ether (5) stearate, potassium ricinoleate, sodium myristoyl sarcosine, sodium N-methyl-N-oleyl taurate, nonylphenol polyethylene glycol ether or combinations thereof; and

10 said pH is from 6 to 8.

15

18. The method of claim 11, wherein the composition comprises:

- (a) 1 to 4 weight percent of a stainblocker;
- (b) 1 to 4 weight percent silsesquioxane; and
- (c) 1 to 4 weight percent surfactant.

20

19. The method of claim 11 further comprising a sequestering agent, salt, or combination thereof.

20. The method of claim 11, wherein the substrate is carpet.

25